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FIGURE 1a

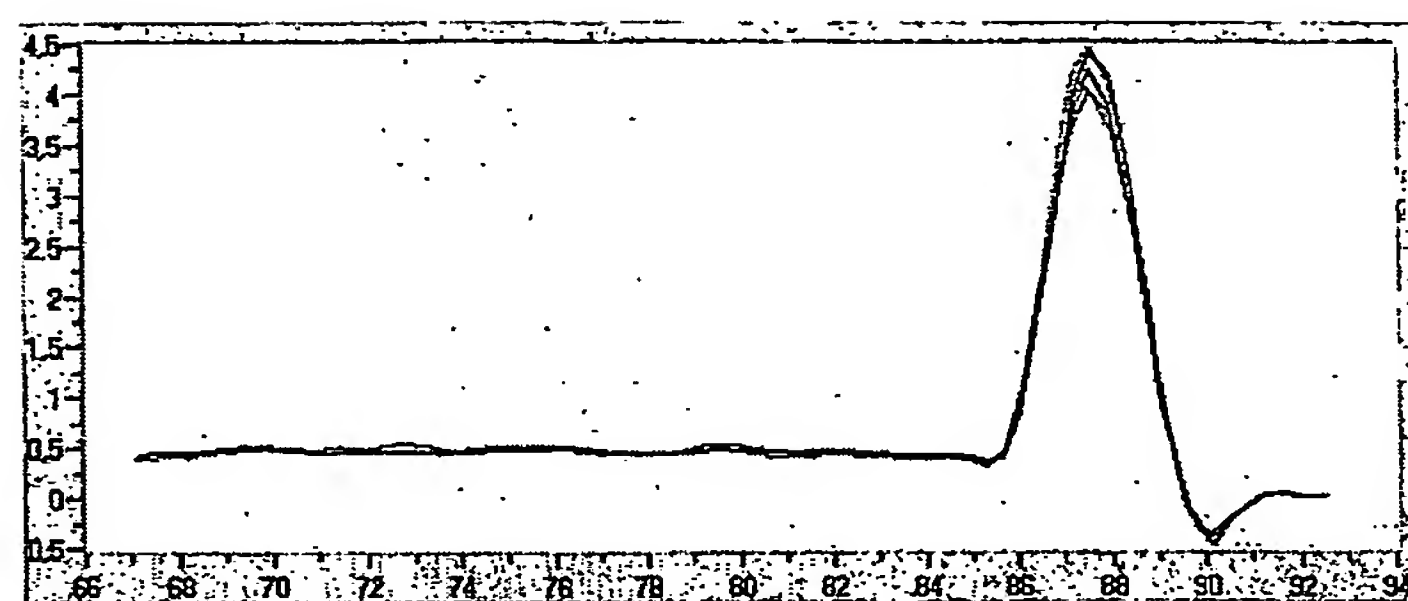


FIGURE 1b

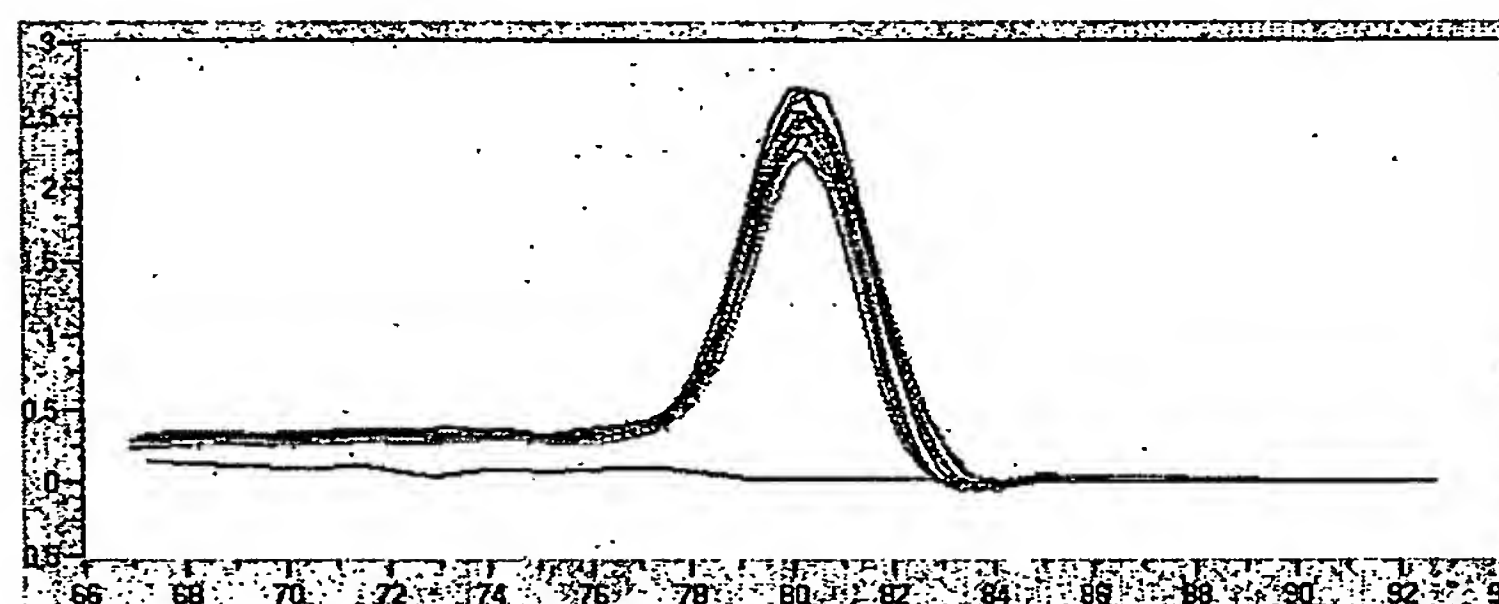


FIGURE 2

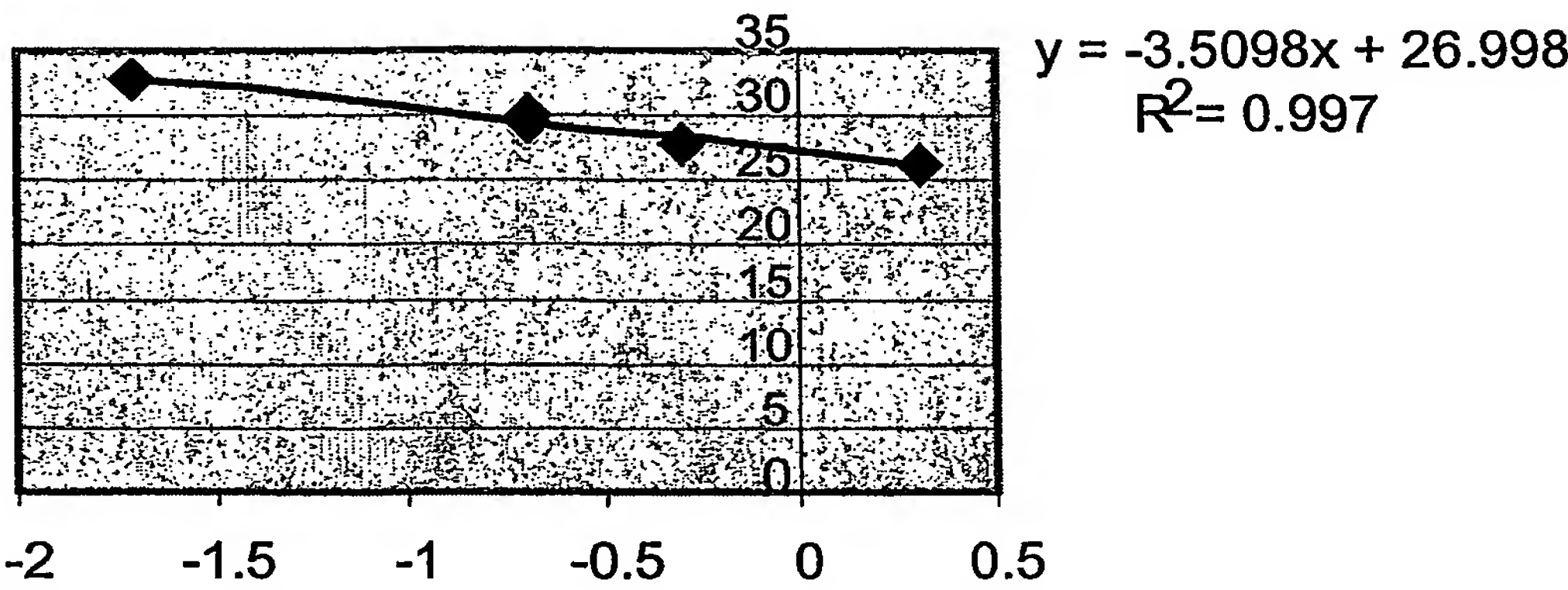
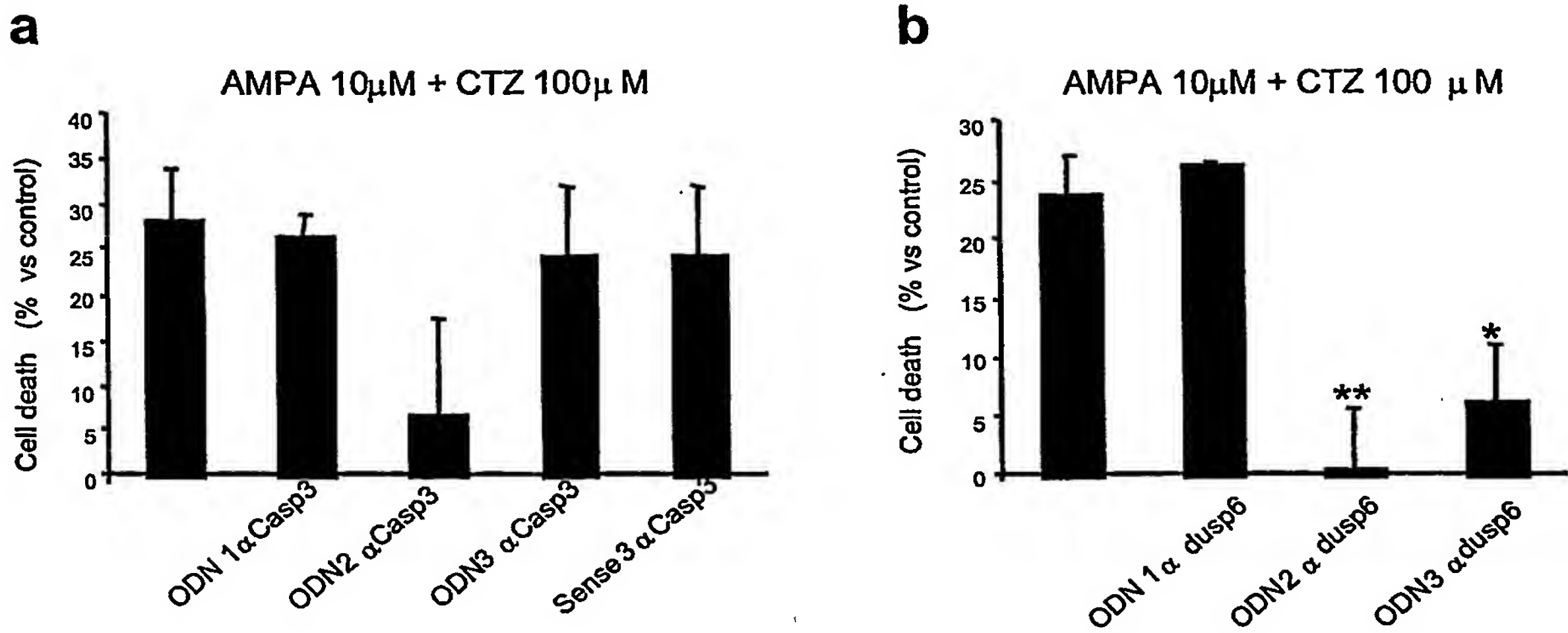


FIGURE 3



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FIGURE 4

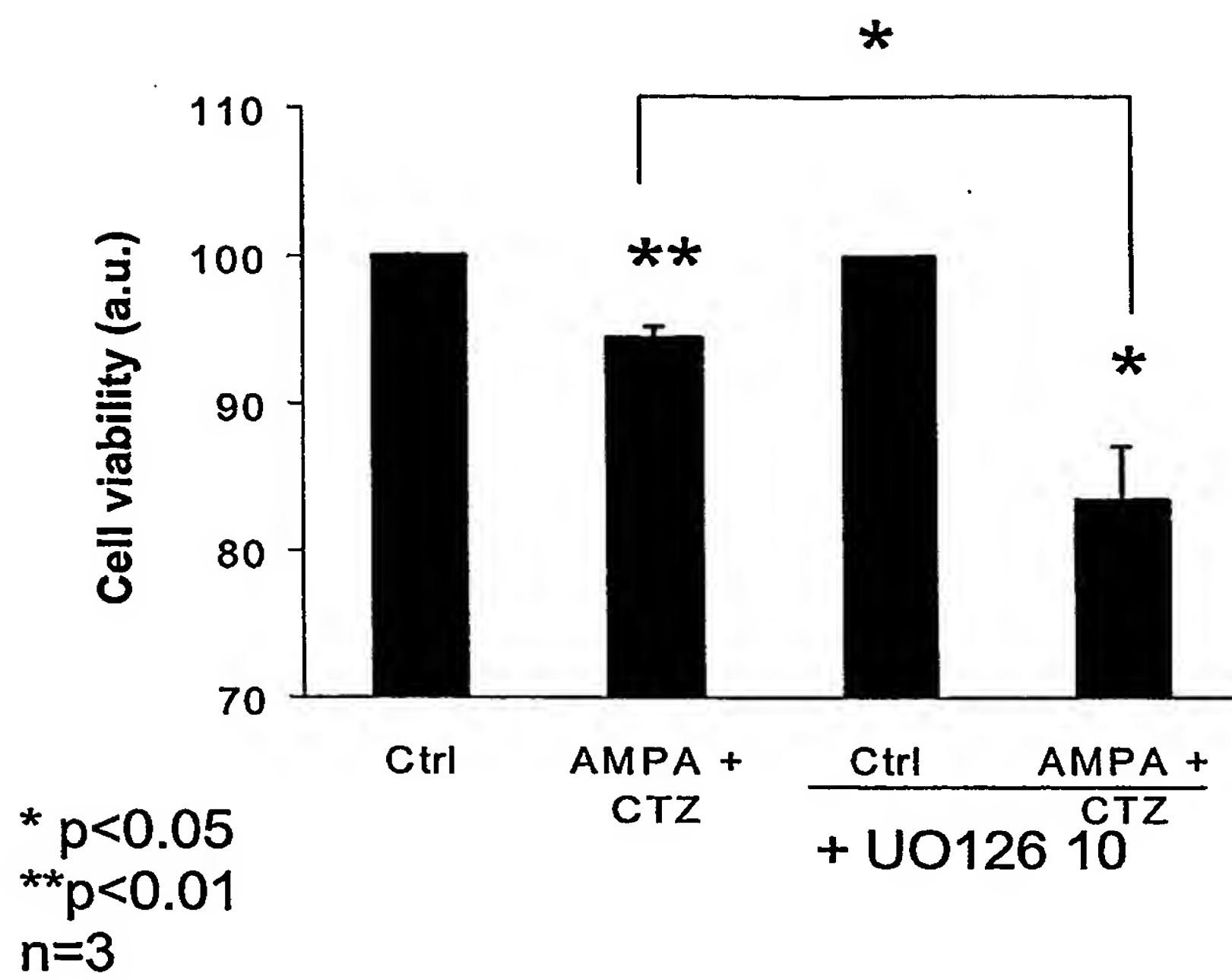


FIGURE 5

86.713% identity (88.783% ungapped) in 1716 nt overlap  
(172-1875:189-1876)

	150	160	170	180	190	200
human	CACTAAGAGCCAGCGCTGCAGCTGGTGCAGAGAGAACCTCCGGCTTTGACTTCTGTCTCG					
rat	GATTCATTGACTCTGAGAGTGATCTGGTGCAGAGGGACCACCGGCTTGGCTTCTG--TCG					
	160	170	180	190	200	210
human	210	220	230	240	250	260
human	TCTGCCCCAAGGCCGCTAGCCTCGGCTTGGGAAGGCGAGGCGGAATTAAACCCCGCTCCG					
rat	CCTTCCCTAA--CCGCTAGCTTCGGCTTGGGAA---AGGCCGAATCAAACCCGGCTCCG					
	220	230	240	250	260	270
human	270	280	290	300	310	320
human	AGAG-CGCACGTTTCGCGCGCGGTGCGTCGGCCATTGCCTGCCCGAGGGGCGTCTGGTAG					
rat	AGAGCCGGAGCTTCTCACGGCTTGC-TTGGCCTATGCCTGCCTCGAGGGGCGTCTGCTAG					
	280	290	300	310	320	
human	330	340	350	360	370	380
human	GCACCCCGCCCTCTCCCGCAGCTCGACCCCATGATAGATACGCTCAGACCCGTGCCCTT					
rat	GCACCCCGCCTTCTCCTGCAGCTCGACCCCATGATAGATACGCTCAGACCCGTGCCCTT					
	330	340	350	360	370	380
human	390	400	410	420	430	440
human	CGCGTCGGAAATGGCGATCAGCAAGACGGTGGCGTGGCTCAACGAGCAGCTGGAGCTGGG					
rat	CGCGTCGGAAATGGCGATCAGCAAGACGGTGGCGTGGCTCAACGAGCAGCTGGAGCTGGG					
	390	400	410	420	430	440
human	450	460	470	480	490	500
human	CAACGAGCGGCTGCTGCTGATGGACTGCCGGCCGAGGAGCTATACGAGTCGTCGCACAT					
rat	CAACGAACAGCTGCTGCTGATGGACTGCCGACCGCAGGAGCTGTACGAGTCGTCGCACAT					
	450	460	470	480	490	500
human	510	520	530	540	550	560
human	CGAGTCGGCCATCAACGTGGCCATCCCGGGCATCATGCTGCGGCGCTGCAGAAGGGTAA					
rat	CGAATCTGCCATCAACGTGGCCATCCCGGGCATCATGCTGCGGCGCTGCAGAAGGGCAA					
	510	520	530	540	550	560
human	570	580	590	600	610	620
human	CCTGCCGGTGCAGCGCGCTCTTACGCGCGGCGAGGACCGGGACCGCTTACCCGGCGCTG					
rat	CCTGCCGGTGCAGCGCGCTATTACGCGCTGCGAGGACCGGGACCGCTTACCAGGCGCTG					
	570	580	590	600	610	620
human	630	640	650	660	670	680
human	TGGCACCGACACAGTGGTGCTCTACGACGAGAGCAGCAGCGACTGGAACGAGAATACGGG					
rat	CGGCACCGACACCGTGGTGCTCTACGACGAGAACAGCAGCGACTGGAATGAGAACACAGG					
	630	640	650	660	670	680





	1760	1770	1780	1790	1800	
human	CATGCAGGGACTGGGATTCGAGGACTTCCAG---GCGCATAGGGTAGAACCAAATGATAG					
	:	:	:	:	:	:
rat	CAAGCAGGGACTGGACCTC-----CATCCAGATAGAGGGTAGGACA-AAGGAGCCG--GG					
	1760	1770	1780	1790	1800	1810
	1810	1820	1830	1840	1850	1860
human	GGTAGGAGCATGTGTTCTTTAGGGCCTTGTAAGGCTGTTTCCTTTTGCATCTGGAAGTGA					
	:	:	:	:	:	:
rat	GATAGGAGCATGTGTTCTTTAGGGCCACATATGGCTGTTTCCTGTTGCATCTGGAACCAA					
	1820	1830	1840	1850	1860	1870
	1870	1880	1890	1900	1910	1920
human	CTATATAATTGTCTTCAAGTGAAGACTAATTCAATTTTGCATATAGAGGAGCCAAAGAGA					
	:	:	:	:	:	:
rat	CTATATTGTCTTCAAGTGAAGACTGATTCAACTTTGCGTATAGTGGAGCCAAAGAGATTTT					
	1880	1890	1900	1910	1920	1930



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FIGURE 6

		98.425% identity (98.425% ungapped) in 381 aa overlap (1-381:1-381)					
		10	20	30	40	50	60
human		MIDTLRPVPFASEMAISKTVAWLNEQLELGNERLLLMDCRPQELYESSHIESAINVAIPG					
		::					
rat		MIDTLRPVPFASEMAISKTVAWLNEQLELGNELQLLLMDCRPQELYESSHIESAINVAIPG					
		10	20	30	40	50	60
		70	80	90	100	110	120
human		IMLRRLQKGNLPVRALFTRGEDRDRFTRRCGTDTVVLYDESSSDWNENTGGESLLGLLLK					
		::					
rat		IMLRRLQKGNLPVRALFTRCEDRDRFTRRCGTDTVVLYDENSSSDWNENTGGESVLGLLLK					
		70	80	90	100	110	120
		130	140	150	160	170	180
human		KLKDEGCRAFYLEGGFSKFQAEFSLHCETNLDGSCSSSPPLPVLGLGGLRISSDSSSDI					
		::					
rat		KLKDEGCRAFYLEGGFSKFQAEFALHCETNLDGSCSSSPPLPVLGLGGLRISSDSSSDI					
		130	140	150	160	170	180
		190	200	210	220	230	240
human		ESDLDRDPNSATDSDGSPLSNSQPSFPVEILPFLYLGC AKDSTNLDVLEEFGIKYILNVT					
		::					
rat		ESDLDRDPNSATDSDGSPLSNSQPSFPVEILPFLYLGC AKDSTNLDVLEEFGIKYILNVT					
		190	200	210	220	230	240
		250	260	270	280	290	300
human		PNLPNLFENAGEFKYKQIPISDHWSQNLSQFFPEAISFIDEARGKNC GVLVHCLAGISRS					
		::					
rat		PNLPNLFENAGEFKYKQIPISDHWSQNLSQFFPEAISFIDEARGKNC GVLVHCLAGISRS					
		250	260	270	280	290	300
		310	320	330	340	350	360
human		VTVTVAYLMQKLNLSMNDAYDIVKMKKSNI SPNFNFMGQLLDFERTLGLSSPCDNRVPAQ					
		::					
rat		VTVTVAYLMQKLNLSMNDAYDIVKMKKSNI SPNFNFMGQLLDFERTLGLSSPCDNRVPAQ					
		310	320	330	340	350	360
		370	380				
human		QLYFTTPSNQNVYQVDSLQST					
		::::::::::::::::					
rat		QLYFTAPSNQNVYQVDSLQST					
		370	380				

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FIGURE 7

